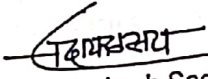


Approximate Estimate of Proposed Onion shed building for Sarliya Farmer  
Producer co. ltd.  
At- Wakla , Tal- Valjapur, Dist.- Aurangabad.

RECAPITULATION SHEET

Cost of Work Portion	Rs.-	16868303.00
Add 1 % Insurance	Rs.-	168683.03
Add 18 % GST	Rs.-	3036294.54
Testing charges	Rs.-	14600.00
Royalty charges	Rs.-	413212.90
<b>Total</b>	<b>Rs.-</b>	<b>20501093.47</b>
<b>Say</b>	<b>Rs.-</b>	<b>20501093.00</b>

  
Sachin Prakash Sadaphal  
DCE, B.E. (Civil), AMIE, FIV, CEng.  
Chartered Engineer, AM1759933  
Approved Valuer

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DCE, B.E. (Civil), AMIE, CEng.  
Chartered Engineer,  
Approved Valuer.



**S. p. sadaphal associate**  
consulting civil engineer, approved valuer  
at- sakuri, tal- rahata, dist- ahmednagar  
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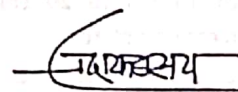
Approximate Estimate of Proposed Onion shed building for Sariya Farmer Producer co. Ltd.  
At- Wakla , Tal- Valjapur, Dist.- Aurangabad.

### ABSTRACT SHEET

Sr.	Description	Qty.	Rate	Per	Amount
1	Excavation for foundation in earth,soil of all types,sand,gravel and soft murum, including removing the excavated material upto adistance of 50m.beyond the building area and stacking and spreading as directed,dewatering,preparing the bed for the foundation and necessary backfilling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical Means	290.30	207.00	cum.	60092.93
	(PWD SSR 2022- 23, Item no.- 21.02)				
2	Providing and laying Cast insitu/Ready Mix cement concrete in M15 of trap/granite/quartzite/gneiss metal for steps including steel centering, formwork, laying / pumping, compacting, roughening them if special finish is to be provided,finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface, only. Newly laid concrete shall becovered by gunny bag, plastic,tarpaulinetc.(Wooden centering will not be allowed.),with fully automatic microprocessor based PLC with SCADA enabled reversible DrumTypemixer/concrete Batch mix plant (Panmixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	27.22	7288.71	cum.	198369.53
	(PWD SSR 2022-23, Item no.- 24.04)				
3	Providing and laying in situ /Ready Mix cement concrete M 20 of trap /granite /quartzite /gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. column and steel stanchions etc.including bailing out water, Steel centering formwork, laying/ pumping coverblocks, compaction and curing roughening the surface if special finishis to be provided (Excluding reinforcement and structural steel) etc. complete ,with fully automatic microprocessor based PLC with SCADA enabled reversible DrumTypemixer/concrete Batch mixplant (Panmixer) etc.complete. With fine aggregate (Crushed sand VSI Grade)	56.7	8063.71	cum.	457212.36
	(PWD SSR 2022-23, Item no.- 25.11)				

4	Providing and laying Cast in situ / Ready Mix cement concrete M-20 of trap / granite / quartzite / gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including steel centering, formwork, coverblocks, laying /pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel). with fully automatic microprocess or based PLC with SCADA enabled reversible DrumTypemixer / concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)				
	(PWD SSR 2022-23, Item no. - 25.31)	20.16	14742.71	cum.	297213.03
5	Providing and laying Cast in situ / Ready Mix cement concrete M-20 of trap / granite / quartzite / gneiss metal for R.C.C.Beams and Lintels as per detailed designs and drawing or as directed including steel centering, formwork, coverblocks, laying /pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel). with fully automatic microprocess or based PLC with SCADA enabled reversible DrumTypemixer / concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)				
	(PWD SSR 2022-23, Item no.- 25.50)	24.84	13228.71	cum.	328601.16
6	Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete.				
	(PWD SSR 2022-23, Item no.- 21.38)	414.00	2139.97	cum.	885947.58
7	Filling in plinth and floors with contractors material / brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc.complete				
	(PWD SSR 2022-23, Item no.- 21.37)	1350.00	599.00	cum.	808650.00
8	Providing and laying in situ cement concrete M30 with tremix treatment for 200 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessary refilling with bitumen etc. complete.				
	(PWD SSR 2022-23, Item no.- 33.31)	1860.50	1555.02	Sqm.	2893114.71

9	Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C.pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintel spandls, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete (PWD SSR 2022-23, Item no.- 20.33)	33.56	89867.99	mt.	3015520.40
10	Providing structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates etc. as per detailed design sand drawings or as directed including cutting, fabricating ,hoisting, erecting fixing in position, Making riveted /bolted /welded connection and one coat of anticorrosive paint and over it 2 coats of oil painting approved quality and shade etc. complete (PWD SSR 2022-23, Item no.- 23.04)	35.00	119459.0	mt.	4181065.00
11	Providing and fixing corrugated galvanised iron sheets of 0.63 mm thick (24B.W.G.) for roofing without wind tiles including fastening with galvanised iron screws and bolts , lead and bitumen washer as per drawing etc. complete.(Weight of 5.5 Kilogram/sq.m.). (PWD SSR 2022-23, Item no.- 38.04)	2628.18	870.00	sqm.	2286516.60
12	Onion storage box as per design	32.00	45500.00	no.	1456000.00
					16868303.30
			<b>Total</b>	<b>Rs.-</b>	<b>16868303.00</b>
13	Royalty Charges Other Material	1764.00	216.18		381341.52
	Royalty Charges Sand	134.27	237.37		31871.38
14	Testing Chrage				14600.00



Sachin Prakash Sadaphal  
DCE, B.E. (Civil), AMIE, FIV, CEN  
Chartered Engineer, AM1754433  
Approved Valuer

Approximate Estimate of Proposed Onion shed building for Sariya Farmer Producer co. Ltd.  
At- Wakla , Tal- Valjapur, Dist.- Aurangabad.

Measurement sheet

1	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material upto a distance of 50m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary backfilling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical Means	56	x	1.8	x	1.8	x	1.6	=	290.30	cum.
2	Providing and laying Cast insitu/Ready Mix cement concrete in M15 of trap/granite/quartzite/gneiss metal for steps including steel centering, formwork, laying / pumping, compacting, roughening them if special finish is to be provided, finishing uneven and honeycombed surface and curing etc. complete. The Cement Mortar 1:3 plaster is considered for rendering uneven and honeycombed surface, only. Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc. (Wooden centering will not be allowed.), with fully automatic microprocessor based PLC with SCADA enabled reversible Drum Typemixer/concrete Batch mix plant (Panmixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	56	x	1.8	x	1.8	x	0.15	=	27.22	cum.
3	Providing and laying in situ /Ready Mix cement concrete M-20 of trap /granite /quartzite /gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. column and steel stanchions etc. including bailing out water, Steel centering formwork, laying/ pumping coverblocks, compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic microprocessor based PLC with SCADA enabled reversible Drum Typemixer/concrete Batch mix plant (Panmixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	56	x	1.5	x	1.5	x	0.45	=	56.70	cum
4	Providing and laying Cast in situ / Ready Mix cement concrete M-20 of trap / granite /quartzite /gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including steel centering, formwork, coverblocks, laying /pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic microprocess or based PLC with SCADA enabled reversible Drum Typemixer / concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)	56	x	0.3	x	0.6	x	2	=	20.16	cum.

5 Providing and laying Cast in situ / Ready Mix cement concrete M-20 of trap / granite / quartzite / gneiss metal for R.C.C.Beams and Lintels as per detailed designs and drawing or as directed including steel centering, formwork, coverblocks, laying /pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete.(Excluding reinforcement and structural steel). with fully automatic microprocess or based PLC with SCADA enabled reversible DrumType mixer / concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Crushed sand VSI Grade)

	2	x	60	x	0.23	x	0.6	=	16.56	
	2	x	30	x	0.23	x	0.6	=	8.28	
									24.84	cum.

6 Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete.

	1	x	30	x	60	x	0.23	=	414.00	cum.
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7 Filling in plinth and floors with contractors material / brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc.complete

	1	x	60	x	30	x	0.75	=	1350.00	cum.
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8 Providing and laying in situ cement concrete M30 with tremix treatment for 200 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessary refilling with bitumen etc. complete.

	1	x	61	x	30.5	x		=	1860.5	sqm.
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9 Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C.pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintel spandis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete

					101.7	x	150	kg	15.26	mt	
			r/f in pcc		61	x	30	x	0.2	=	366.00
					366.00	x	50	kg	18.30	mt	
							Total		33.56	MT	

10 Providing structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates etc. as per detailed design sand drawings or as directed including cutting, fabricating ,holisting, erecting fixing in position, Making riveted /bolted /welded connection and one coat of anticorrosive paint and over it 2 coats of oil painting approved quality and shade etc. complete

	14	x	2.5	mt per struss		=	35.00	MT
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11 Providing and fixing corrugated galvanised iron sheets of 0.63 mm thick (24B.W.G.) for roofing without wind tiles including fastening with galvanised iron screws and bolts , lead and bitumen washer as per drawing etc. complete.(Weight of 5.5 Kilogram/sq.m.).

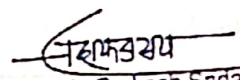
	2	x	17.44	x	61.00	=	2127.68	
roof	2	x	2.75	x	61.00	=	335.50	
sides	2	x	2.75	x	30.00	=	165.00	
							2628.18	Sqm.

12 Onion storage box as per design

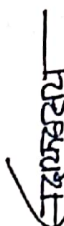
							32.00	no
Royalty			Rubble	414.00	x	1	=	414
			Murum	1350.00	x	1	=	1350
								1764
			Sand					
			M-20	101.7	x	0.425	=	43.22
			M-15	27.216	x	0.44	=	11.98
			Trimix M-30	1860.5	x	0.0425	=	79.07
								134.27

Testing

Bricks	Water Absorption (Set of 5 Bricks), Compressive Strength( Set of 5 Bricks), Efflorescence (Set of 5 Bricks).	=	2175.00
Steel bar testing	Upto 16 mm (Set of 3 Bars) (Tensile strength, %, Elongation, Yield Stress,Weight-Per Meter, Bend / Rebend Test, Proof Stress.)	=	1275.00
Soling	Crushing Value/Compressive Strength, Water Absorption & Specific Gravity,	=	2020.00
M-20 Cube	Compressive Strength OF C.C. Cube (Set of 3 cubes).	=	690.00
M-30 Cube	Compressive Strength OF C.C. Cube (Set of 3 cubes).	=	690.00
Cement	Standard Consistency, Fineness, Specific Gravity, Setting Time ( Initial & Final ), Compressive Strength, Soundness.	=	3770.00
Sand	Fineness Modulus ( Sieve Analysis ),Silt & Clay Content	=	1380.00
Metal	Water Absorption, Specific Gravity,Impact Value, Crushing Value.	=	2600.00
			14600.00

  
 Sachin Prakash Sadaphal  
 DCE, B.E. (Civil) AMIE, FIV, CEM  
 Chartered Engineer, AM1754433  
 Approved Valuer

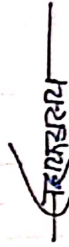
LEAD CHARGES										
Sr. No.	Description	Rubble	Crush Metal	Stone aggregate 40mm Normal size and above	Murum	Asphalt	Cement	Sand	Brick	
1	2	3	4		6	7	9	10	10	
1	Lead for Km.	30.00	30.00	30.00	5.00	0.00	5.00	50.00	80.00	
2	Lead Charges	757.97	619.56	593.74	252.22	0.00	164.99	888.61	1273.71	
3	Initial lead charge (5 Km.)	0	0	0	0	0.00	0	0.00	0.00	
4	Extra lead charge	757.97	619.56	593.74	252.22	0.00	164.99	888.61	1273.71	
5	Source	khandala	Khandal	Khandala	Local	-	Loni	Shivana	Kopergoan	

  
 Sachin Prakash Sadapal  
 DCE, B. E. (Civil), AMIE, FIV, CE, Eng.  
 Chartered Engineer, AM1759933  
 Approved Valuer

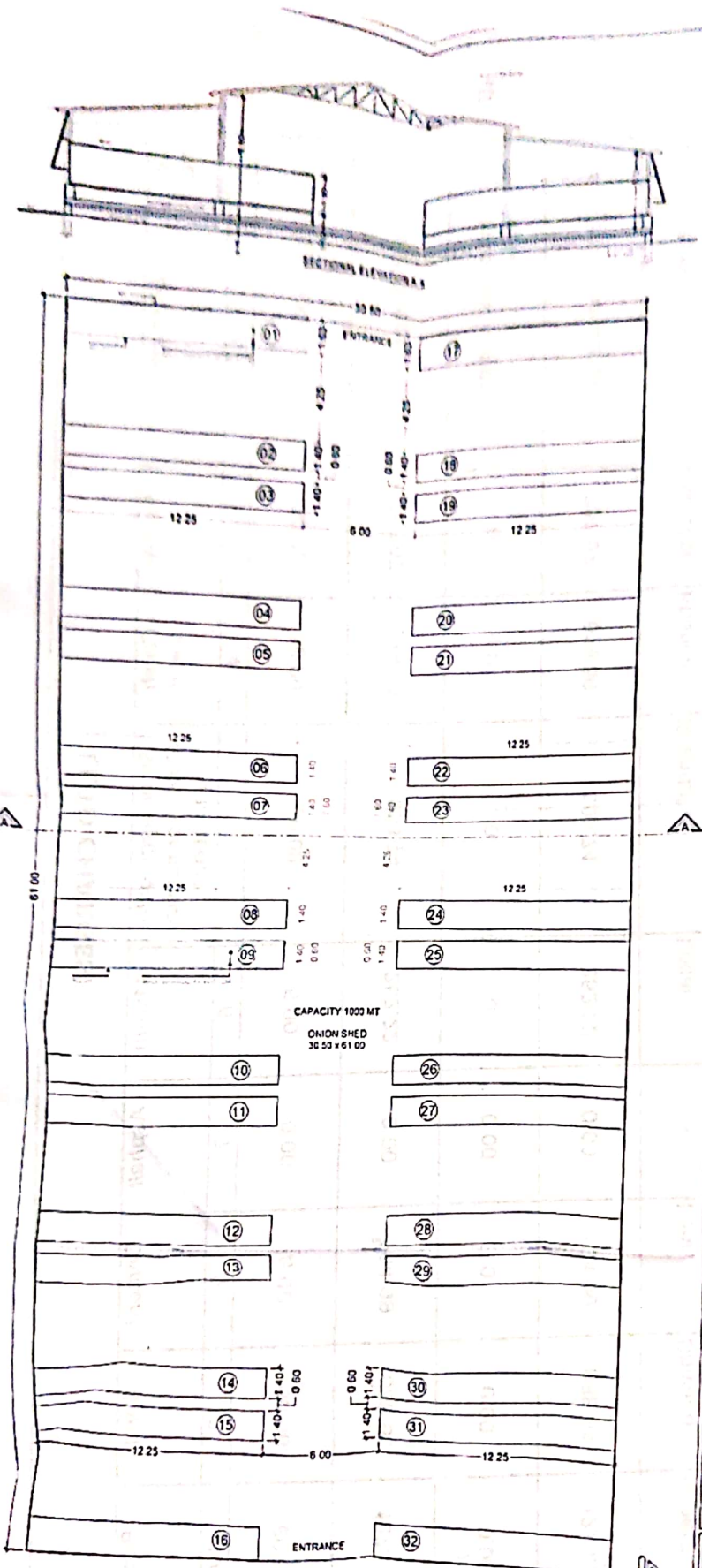
**RATE ANALYSIS**

Sr. No.	Item Description	e State SSR 2022-2023 P/I	Rate	Deduct Royalty Charges of sand	Net Rate	Qty Required										Total Qty										
						Cement	Sand	Below 40mm Metal /Cr. Metal	Above 40mm Metal	Steel	Murum	Rubble	Brick	Cement	Sand	Below 40mm Metal		Above 40mm Metal		Steel	Murum	Rubble	Brick			
																Per MT	Per Cum.	Per MT	Per Cum.					Per MT	Per Cum.	Per MT
1	Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material upto a distance of	3	207.00	0	207.00	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27		
2	Providing and laying Cast in situ/Ready Mix concrete in M15 of trap/granite/quartzite/gneiss metal for steps including steel	24.04	6359.00	62.19	6296.81	0.3	0.44	0.89	0	0	0	0	0	49.5	391	551.41	0	0	0	0	0	0	0	0	991.9	7288.71
3	Providing and laying in situ /Ready Mix concrete M-20 of trap /granite /quartzite /gneiss metal for R.C.C. work in foundations like raft,	25.11	7104.00	60.07	7043.93	0.7	0.425	0.85	0	0	0	0	0	115.5	377.7	526.63	0	0	0	0	0	0	0	0	1019.78	8053.71
4	Providing and laying Cast in situ / Ready Mix concrete M-20 of trap / granite /quartzite /gneiss metal for R.C.C. columns as per	25.31	13783.00	60.07	13722.93	0.7	0.425	0.85	0	0	0	0	0	115.5	377.7	526.63	0	0	0	0	0	0	0	0	1019.78	14742.71
5	Providing and laying Cast in situ / Ready Mix concrete M-20 of trap / granite /quartzite /gneiss metal for R.C.C. Beams and Lintels as	21.38	12269.00	60.07	12208.93	0.7	0.425	0.85	0	0	0	0	0	115.5	377.7	526.63	0	0	0	0	0	0	0	0	1019.78	13229.71
6	Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc.	21.38	1382.00	0	1382.00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	757.97	0	2139.97	
7	Filling in plinth and floors with contractors material / brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm	21.37	599.00	0	599.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	599.00	
8	Providing and laying in situ cement concrete M30 with tremix treatment for 200 mm thickness for flooring with groove cutting of 4mm wide	33.31	1464.00	6.01	1457.99	0.04	0.0425	0.085	0	0	0	0	0	6.6	37.77	52.66	0	0	0	0	0	0	0	0	97.03	1555.02
9	Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams	26.33	89703.00	0	89703.00	0	0	0	0	1	0	0	0	0	0	0	0	165	0	0	0	0	0	0	164.99	89867.99

Sr. No.	Item Description	Rate	Deduct Royalty Charges of sand	Net Rate	Qty Required					Qty Required					Total Lead								
					Cement	Sand	Below 40mm /Cr. Metal	Above 40mm Metal	Steel	Murum	Rubble	Brck	Ceme nt	Sand	Below 40mm Metal	Above 40mm Metal	Steel	Murum	Rubble	Brck	Total Lead		
																						Per MT	Per Cum.
1	10) providing structural steel work in trusses, other similar trussed purlins and members with all bracing, gusset plates etc. as per detailed designs.	23.04	0	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	27	
		119458.00	0	#####	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	119459.01
11	providing and fixing corrugated galvanized iron sheets of 0.63mm thick (24 B.W.G.) for roofing without wind clips including fastening with	38.04	0	870.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	870.00



Sachin Prakash Sadaphal  
DCE, B.E. (Civil), AMIE, FIV, CE, Eng.  
Chartered Engineer, AM1758433  
Approved Valuer



GROUND FLOOR PLAN

SEARCHED APPROVED

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BUILT-UP AREA= 1800.50 Sqm  
CAPACITY 1000 MT

---

OWNER SIGN

SARIYA FARMER PRODUCER CO LTD

---

CONSULTANT

  
 S. P. SADAPHAL ASSOCIATES  
 ARCHITECT & ENGINEERS, APPROVED & REGISTERED  
 CHARTERED ENGINEERS  
 DIST. B. P. ROAD, PUNE-411 004  
 Chartered Engineer, 20/11/1983

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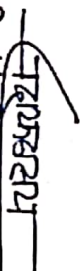
PROPOSED ONION SHED BUILDING IN G NO 620 Part  
FOR SARIYA FARMER PRODUCER CO LTD  
AT- WAKLA, TAL- VALJAPUR,  
DIST- AURANGABAD

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 architect & engineers, approved & registered  
 chartered engineers  
 at- sakur, tal- rahata dist - ahmednagar  
 mail- spsadaphal@gmail.com  
 Mob\_ 9872 661 579

### LEAD CHARGES

Sr. No.	Description	Rubble	Crush Metal	Stone aggregate 40mm Normal size and above	Murum	Asphalt	Cement	Sand	Brick
1	Lead for Km.	30.00	30.00	30.00	5.00	0.00	5.00	50.00	80.00
2	Lead Charges	757.97	619.56	593.74	252.22	0.00	164.99	888.61	1273.71
3	Initial lead charge (5 Km.)	0	0	0	0	0.00	0	0.00	0.00
4	Extra lead charge	757.97	619.56	593.74	252.22	0.00	164.99	888.61	1273.71
5	Source	Khandala	Khandal	Khandala	Local	-	Loni	Shivana	Kopergoan

  
**Sachin Prakash Sadaphal**  
 DCE, B.E. (CIVIL), AMIE, FIY, CEng,  
 Chartered Engineer, AM1759433  
 Approved Valuer

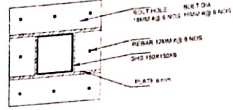


SHAIKH MUSTAQUEEM AHMED  
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 Aurangabad, M.S. Pin-431002

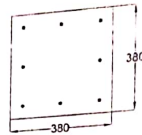
<p><b>PROJECT PROPOSED WAREHOUSE SHED</b></p> <p>ADDRESS - SARIYA FARMERS CO LTD          TO VALJAPUR, DIST AURANGABAD,          MAHARASHTRA</p> <p>PLAINTH BEAM LAYOUT</p> <p>DESIGN HEIGHT: _____          GRAVITY CAPACITY: _____</p>	<p><b>GENERAL NOTES</b></p> <p>1. All dimensions are in meters unless otherwise specified.          2. All beams shall be provided with appropriate bracing.          3. All connections shall be as per IS 800:2008.          4. All steel shall be as per IS 2062:2002.          5. All bolts shall be as per IS 4062:2002.          6. All welds shall be as per IS 817:2008.          7. All foundations shall be as per IS 456:2000.          8. All foundations shall be provided with adequate reinforcement.          9. All foundations shall be provided with adequate drainage.          10. All foundations shall be provided with adequate curing.          11. All foundations shall be provided with adequate protection.          12. All foundations shall be provided with adequate ventilation.          13. All foundations shall be provided with adequate lighting.          14. All foundations shall be provided with adequate heating.          15. All foundations shall be provided with adequate cooling.          16. All foundations shall be provided with adequate sound insulation.          17. All foundations shall be provided with adequate fire protection.          18. All foundations shall be provided with adequate security.</p>	<p><b>CLIENT</b></p> <p>SARIYA FARMER PRODUCER CO LTD          AT - WAKHLA TAL - VALJAPUR          AURANGABAD</p>	<p><b>SHED FRAME</b></p>	<p>Date: 04/04/2023          Drawn: _____          Design: _____          Remark: _____          Revision: 05</p>	<p><b>Orbit Consultancy &amp; Structural Engineering</b></p> <p>REGISTERED UNDER NO. S/2015/02204/00001          MEMBER NO. 151004242/040504967</p> <p>STRUCTURAL ENGINEERING SERVICES          PROJECT MANAGEMENT PLANNING VALUATION</p>
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R.C.C DETAILS OF FOOTING (SBC-300KN/SQM)

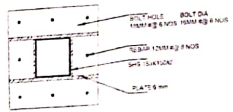
SR NO	PEDESTAL NOS	P.C.C DETAILS			DETAILS OF FOOTING			FOOTING BOTTOM STEEL		FOOTING TOP STEEL		REMARKS	
		LENGTH	WIDTH	DEPTH	LENGTH	WIDTH	DEPTH	LONG DIRE	SHORT DIRE	LONG DIRE	SHORT DIRE		
01	PC1	1400	1400	100	1200	1200	350	10	10	150	8	300	PAD
02	PC2	1200	1400	100	1200	1200	450	10	10	150	8	300	PAD



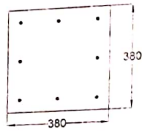
C/S OF PEDESTAL



C/S OF PEDESTAL



C/S OF PEDESTAL



C/S OF PEDESTAL

BEAM SCHEDULE (M20 F80) (LEVEL: PLINTH BEAM)

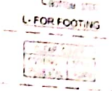
BEAM NO	SIZE	TOP REINFORCEMENT			SHEAR STIRRUPS			REMARKS
		BTM STEEL	CURTAIL STEEL	LEFT	MID SPAN	RIGHT	FULL SPAN	
CB1	230 x 250	2-T12			2-T12		2-T12@150 C/C	
CB2	230 x 250	1-T12		1-T12	2-T12	1-T12	2-T12@150 C/C	
CB3	230 x 250	2-T12			2-T12		2-T12@150 C/C	
CB4	230 x 300	2-T12			2-T12	1-T12	2-T12@150 C/C	

EXTRA TOP STEEL 2-T12

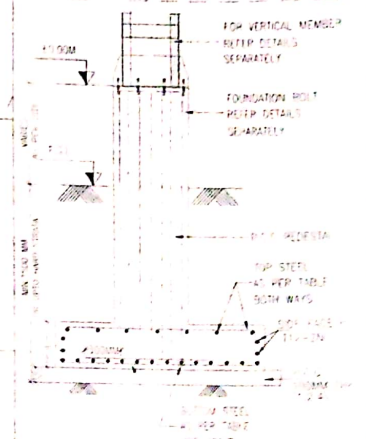
TOP STEEL 2-T12

3-T16 BOTTOM STEEL

GRADE OF CONCRETE - M25  
GRADE OF STEEL - Fe500



TYPICAL PLAN



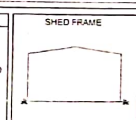
TYPICAL DETAIL OF COLUMN SECTION

SHAikh MUSTAFAEEM AHMED  
Reg No: 611003  
Consulting & Structural Engineer  
C-2, Dhanu, Main Road, Sion, Dist. BSB  
Ph: 9820099999, 9820099999, 9820099999

PROJECT PROPOSED WAREHOUSE SHED  
ADDRESS - SARIYA FARMERS CO LTD  
TO VALAJAPUR, DIST AURANGABAD,  
MAHARASHTRA  
R.C.C SCHEDULE LAYOUT  
DESIGN HEIGHT: 4.500M  
CAPACITY:

GENERAL NOTES  
1. All dimensions are in meters unless otherwise specified.  
2. All reinforcement is to be provided as per IS 456:2000.  
3. All reinforcement is to be provided as per IS 1786:2000.  
4. All reinforcement is to be provided as per IS 1786:2000.  
5. All reinforcement is to be provided as per IS 1786:2000.  
6. All reinforcement is to be provided as per IS 1786:2000.  
7. All reinforcement is to be provided as per IS 1786:2000.  
8. All reinforcement is to be provided as per IS 1786:2000.  
9. All reinforcement is to be provided as per IS 1786:2000.  
10. All reinforcement is to be provided as per IS 1786:2000.

CLIENT  
SARIYA FARMER PRODUCER CO LTD  
AT - WAKHLA, TAL - VALAJAPUR  
AURANGABAD

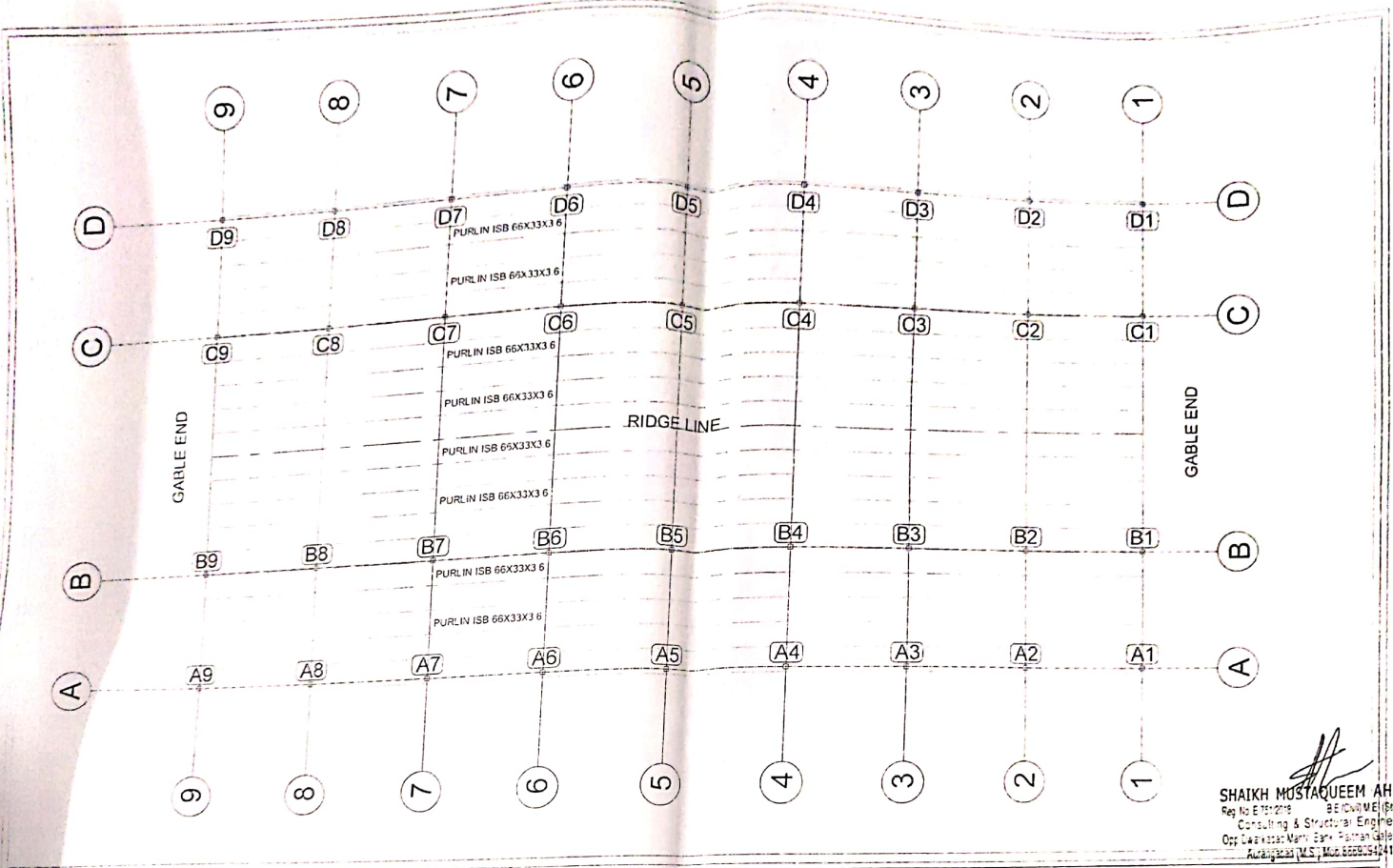



SHED FRAME  
Date: 04 Apr 2023  
Job No: 010003  
Design: SHAIKH MUSTAFAEEM AHMED  
Checked: SHAIKH MUSTAFAEEM AHMED  
Reviewed: SHAIKH MUSTAFAEEM AHMED

Orbit Consultancy & Structural Engineering  
Pune  
1-STRUCTURAL ENGINEERING SERVICES  
2-PROJECT MANAGEMENT PLANNING & EXECUTION







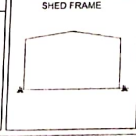
  
**SHAIKH MUSTAQEEM AHMED**  
 Reg No E 7012016 BE (Civil) (Structure)  
 Consulting & Structural Engineer  
 Opp. Laxmi Nagar, Main Road, Sion, Mumbai - 400 022  
 Andhra Pradesh (M.S.), Mob: 9822054241

**PROJECT PROPOSED WAREHOUSE SHED**  
 ADDRESS - SARIYA FARMERS CO.LTD  
 TO VAJAPUR DIST AURANGABAD,  
 MAHARASHTRA  
 PURLIN LAYOUT  
 DESIGN HEIGHT : GAUTRY CAPACITY

**GENERAL NOTE'S**  
 1. All dimensions are in meters unless otherwise specified.  
 2. All dimensions are to be taken from the center line of the member unless otherwise specified.  
 3. All dimensions are to be taken from the face of the member unless otherwise specified.  
 4. All dimensions are to be taken from the center line of the member unless otherwise specified.  
 5. All dimensions are to be taken from the face of the member unless otherwise specified.  
 6. All dimensions are to be taken from the center line of the member unless otherwise specified.  
 7. All dimensions are to be taken from the face of the member unless otherwise specified.  
 8. All dimensions are to be taken from the center line of the member unless otherwise specified.  
 9. All dimensions are to be taken from the face of the member unless otherwise specified.

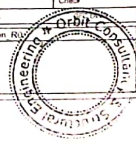
1. It should be for the use of the structure only.  
 2. It should be for the use of the structure only.  
 3. It should be for the use of the structure only.  
 4. It should be for the use of the structure only.  
 5. It should be for the use of the structure only.  
 6. It should be for the use of the structure only.  
 7. It should be for the use of the structure only.  
 8. It should be for the use of the structure only.  
 9. It should be for the use of the structure only.

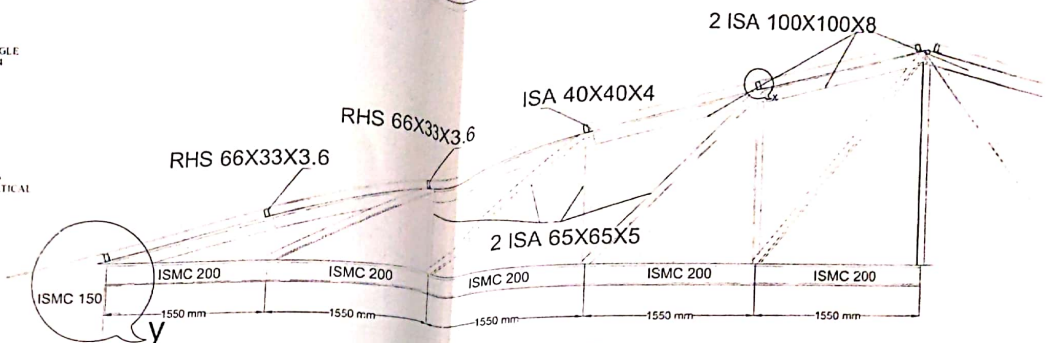
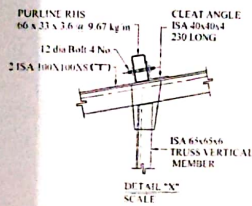
**CLIENT**  
 SARIYA FARMER PRODUCER CO.LTD  
 AT - WAKHIA, TAL - VAJAPUR  
 AURANGABAD



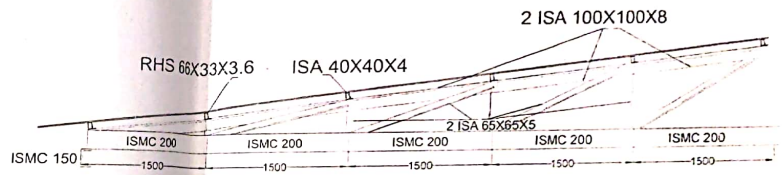
Date	04-04-2023	Drawn	
Job No	01-2023	Checked	
Design		Remarks	
Revision			

**Orbit Consultancy & Structural Engineering**  
 Registration License No. STATE/REG/2022/APL/00570  
 Mobile No. 9822054241 884542447  
 STRUCTURAL ENGINEERING SERVICES  
 PROJECT MANAGEMENT PLANNING VALUATION  
 Office: Appalada Bhattarai Medical College Chhatra Chitra, N. F. D. C. D. Hyderabad-500018

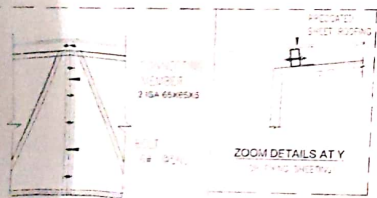






PART A

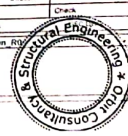


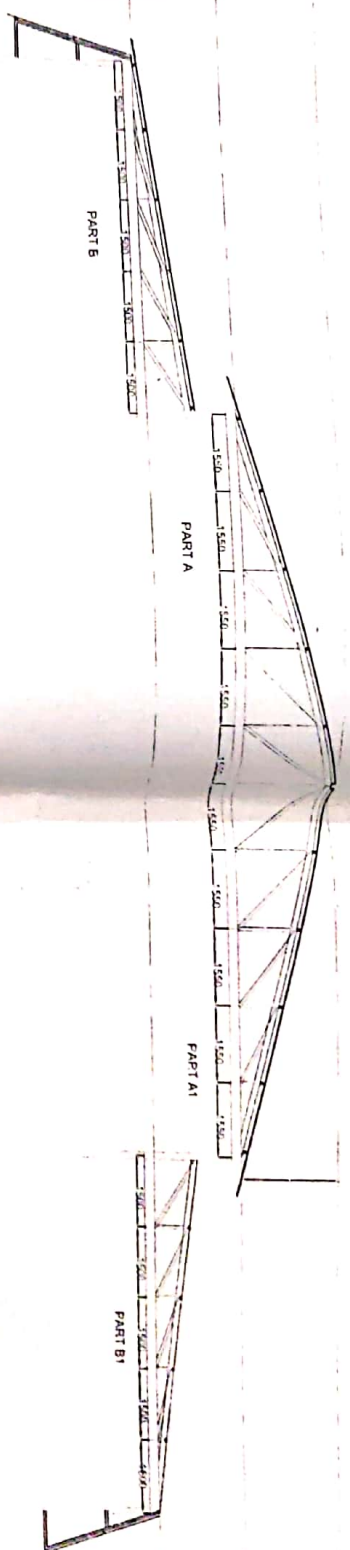
PART B



  
**SHAIKH MUSTAQEEM AHMED**  
 Reg. No. E-7512018 BE (Civil & E. Structure)  
 Consulting & Structural Engineer  
 C/o. Dastur-Mem. Bldg. 2nd Flr. B. Road, Ghatkopar  
 E. Mumbai-400 074

<b>PROJECT PROPOSED WAREHOUSE SHED</b> ADDRESS - SARIYA FARMERS CO LTD TO WADAPUR DIST AURANGSABAD, MAHARASHTRA TRUSS SECTION LAYOUT DESIGNER: _____ CHECKER: _____	<b>GENERAL NOTES</b> 1. All dimensions are in millimeters unless otherwise specified. 2. All materials shall conform to the latest Indian Standards. 3. All connections shall be welded unless otherwise specified. 4. All steel shall be painted with a suitable anti-rust paint. 5. The structure shall be designed for a wind speed of 40 m/s. 6. The structure shall be designed for a snow load of 0.5 kN/m <sup>2</sup> . 7. The structure shall be designed for a seismic zone of II. 8. The structure shall be designed for a ground reaction of 100 kN/m <sup>2</sup> . 9. The structure shall be designed for a live load of 5 kN/m <sup>2</sup> . 10. The structure shall be designed for a dead load of 10 kN/m <sup>2</sup> . 11. The structure shall be designed for a total load of 15 kN/m <sup>2</sup> . 12. The structure shall be designed for a maximum deflection of L/250. 13. The structure shall be designed for a maximum drift of L/400. 14. The structure shall be designed for a maximum vibration of 0.1 m/s <sup>2</sup> . 15. The structure shall be designed for a maximum acceleration of 0.1 g.	<b>CLIENT</b> SARIYA FARMERS PRODUCER CO LTD AT - WADAPUR TAL. WADAPUR AURANGSABAD	<b>SHED FRAME</b> 	Date: 04 April 2019 Job No: 01/2019 Design: _____ Check: _____ Revision: _____ Draw No: 7	<b>Orbit Consultancy &amp; Structural Engineering</b> Registration License No: 07ATE010004000001 Mobile No: 9820042421 / 9820042422 STRUCTURAL ENGINEERING SERVICES PROJECT MANAGEMENT PLANNING VALUATION CIVIL, MECHANICAL, ELECTRICAL, PLUMBING, PAINTING, SANITARY, ROOFING, etc.
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Story3  
7.500 m

Story2  
5.500 m

Story1  
3.700 m

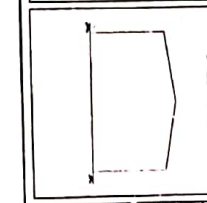
Base  
0.000 m

PROJECT PROPOSED WAREHOUSE SHED  
 SARIYA FARMASS CO LTD  
 TO VALUPUR, DIST AURANGABAD  
 MAHARASHTRA  
 2D ELEVATION LAYOUT  
 NUMBER GANTY/CAPACITY

**GENERAL NOTES**

1. All structural steel shall conform to IS-2062 grade 310
2. All structural steel shall conform to IS-2062 grade 310
3. All structural steel shall conform to IS-2062 grade 310
4. All structural steel shall conform to IS-2062 grade 310
5. All structural steel shall conform to IS-2062 grade 310
6. All structural steel shall conform to IS-2062 grade 310
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17. All structural steel shall conform to IS-2062 grade 310
18. All structural steel shall conform to IS-2062 grade 310
19. All structural steel shall conform to IS-2062 grade 310
20. All structural steel shall conform to IS-2062 grade 310

CLIENT  
 SARIYA FARMASS PRODUCER CO LTD  
 AT - WAKULI, TAL. VALUPUR  
 AURANGABAD



Date	24 April 2023	Drawn No	8
Job No.	07/2023	Checked	
Drawn By	SHAMBAH	Checked By	02/2023
Revision	RO		

Orbit Consultancy & Structural Engineering  
 STRUCTURAL ENGINEERING SERVICES  
 PROJECT MANAGEMENT PLANNING VALUATION  
 Registration Number No. STATE & ZONE  
 1/202 & No. 8660004241, 845492411



SHAIKH MUSTAQUEEM SHAIKH  
 SENIOR STRUCTURAL ENGINEER  
 CONSULTING & STRUCTURAL ENGINEER  
 C-25, Sector-13, Market, Gurgaon, Haryana, India  
 Phone: +91 98100 23211, 98100 23212